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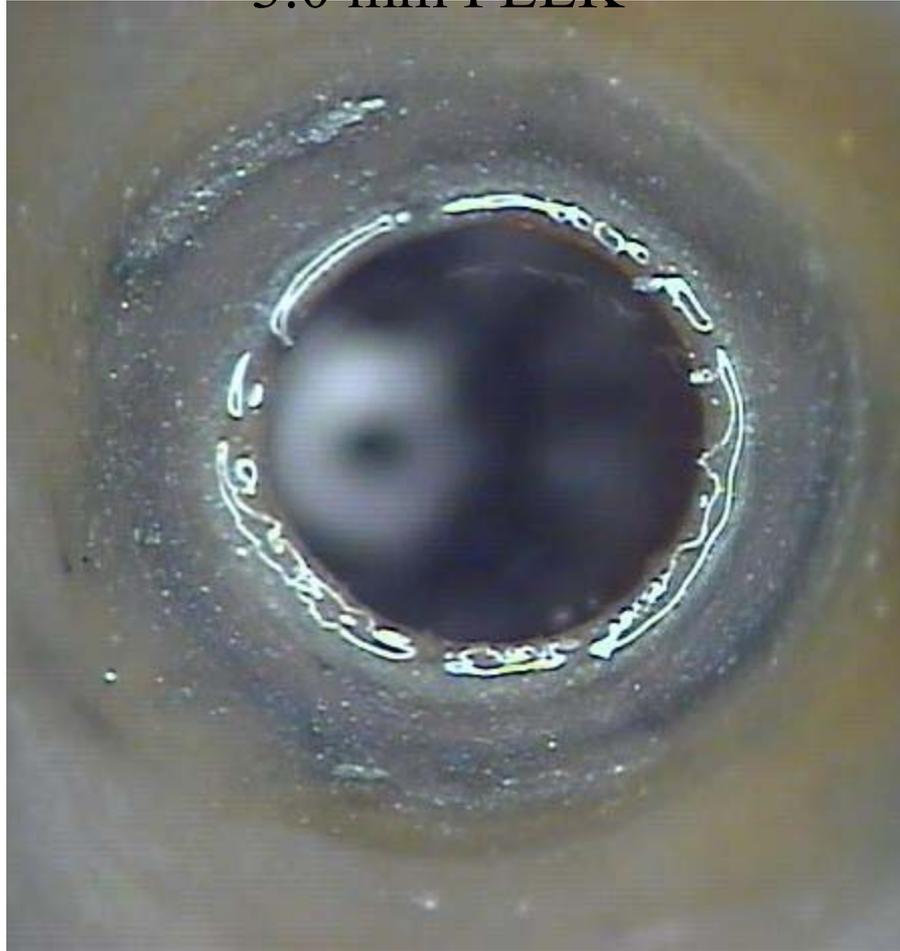
# Pixel Cooling Fitting Failure Studies

## 2.7/3.0 Fitting with Screen

- One of the 2.7mm/3.0mm sets failed the high pressure test.
- Fred and I took it apart. The 3mm flare was clearly not done properly and made minimal contact with the PEEK insert see page 3.
- The 3 flare was not flared enough and the diameter of the flare was smaller than the 2.7mm flare. See page 4. Both pictures were taken with the same magnification.
- The 2.7mm flare was not great either. Not uniformly flared.
- The next steps are the following
  - Fred will cut off the 3mm flare and re-flare it using the same tool but taking into account experience he has with recent flaring tests on samples
  - Leave 2.7mm flare as is
  - Clean all parts again, reassemble and retest, hi pressure only.

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3.0 mm PEEK



2.7mm PEEK



3.0mm flare



2.7mm flare

